

FEYZULLAYEV, N.A.

Helminths of gressorial birds of Azerbaijan as related to ecologic  
factors. Trudy Inst. zool. AN Azerb. SSR 24:109-127 '65.  
(MIRA 18:5)

KASIMOV, G.B.; VAIDOVA, S.M.; FEYZULLAYEV, N.V.

New trematode species *Concinnum talischensis* nov.sp.  
(Dicrocoeliidae) from the liver of the marsh harrier (*Circus  
aeruginosus* L.) in Azerbaijan. Dokl.AN Azerb.SSR 15 no.11:  
1057-1059 '59. (MIRA 13:4)

1. Institut zoologii AN AzerSSR.  
(Parasites--Harriers) (Liver fluke)

FEZEL'BAUM, V., inzhener.

Required properties of asbestos cement products. Stroi. mat. 3 no.3:35-  
36 Mr. '57. (MLRA 10:4)

(Asbestos cement)

LENGYEL, Sandor, prof., dr. (Budapest, VIII., Muzeum korut 6-8);  
FEZLER, Gyula (Budapest, VIII., Muzeum korut 6-8)

Studies on the structure of aqueous solutions containing two electrolytes by density determinations. Acta chimica Hung 37 no.3:319-327 '63.

1. Department of Physical Chemistry and Radiology, Lorand Eotvos University, Budapest. 2. Editorial board member, "Acta Chimica Academiae Scientiarum Hungaricae" (for Lengyel).

LENGYEL, Sandor; FEZLER, Gyula

Density determination of aqueous solutions containing two electrolytes for structural studies. Magyar kem folyoir 69 no.3:128-131 Mr '63.

1. Eotvos Lorand Tudomanyegyetem Fizikai-Kemiai es Radiologiai Tanszeke; Elektrokemiai Akademiai Kutato Csoport. 2. "Magyar Kemiai Folyoirat" szerkeszto bizottsagi tagja (for Lengyel).

SAZONOVA, Z.K., inzh.; FEZI-ZHILINSKAYA, M.S., inzh.; SHAKARYAN, Yu.G., inzh.

Static stability of an asynchronized synchronous machine.  
Vest. elektroprom. 33 no.5:48-52 My '62. (MIRA 15:5)  
(Electric generator)

FIALA, A.

"Our Viticulture and Wine." p. 186. (VYZIVA LIDU, Vol. 8, no. 12, Dec. 1953, Praha, Czechoslovakia)

So: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

CIGANEK, Mojmir, prof. inz. DrSc.; FIALA, Adolf, inz. CSc.

Semiassembled circular water reservoirs. Inz. stavby 12  
no.1:14-21 Ja'64.

1. Vysoke uceni technicke, Brno.



FIALA, Adolf, inz. CSc.

Use of plastics for reducing friction losses in prestressed constructions. Inz stavby 12 no.10:451-453 0 '64.

1. Chair of Concrete Constructions and Bridges, Higher School of Technology, Brno.

*Protective Coatings*

S. FIALA, A.

**Electrographic Non-Destructive Identification of Metallic Materials.** A. Fiala. (*Strojirenstvi*, 1951, 1, May, 169). [In Czech.] A simple method of identifying plated coatings and welding electrodes is described. It is based on forming a cell with the metal to be identified as anode, an aluminum cathode, and a filter paper soaked with a suitable chemical as the electrolyte. n. s. n.

... on the basis of porosity of aluminum and its alloys. (The author is V. I. ...)

The authors review the detrimental effect of the action of H<sub>2</sub> in Al and its alloys and describe the ... method for the detrac. of H<sub>2</sub> in pure Al and in alloys. ... in Al and its alloys is in the form of AlH<sub>3</sub> and on the surface of the metal in the form of Al(OH)<sub>3</sub>. At high temp. the following reactions take place:  $2 \text{ Al} + 3 \text{ H}_2 \rightarrow 2 \text{ AlH}_3$ ;  $2 \text{ AlH}_3 \rightarrow 2 \text{ Al} + 3 \text{ H}_2$ ; and  $2 \text{ AlH}_3 \rightarrow 2 \text{ Al} + \text{H}_2$ . These reactions take place not only above the m.p. of the metal but also during cooling and solidification; entrapping of gas bubbles in casting is the cause of gas unsoundness. Detrac. of H<sub>2</sub> by I<sub>2</sub> in Al of 99.5% purity gave in a typical example the following results: at 20°, 1.6; at 300°, 3.9; at 500°, 10.0; at 600°, 11.6; at 700°, 13.1; and at 760°, 14.1. (1007-1010) g of Al. Frank J. Hendel.

M 12

Fig. 1A, A.

# CZECH

2 Mechanical and Physical Properties of Titanium-Stabilized Austenitic Cr-Ni Steels. A. Roman, A. Fizek, and J. Stala.

(Hutnický L. č. 1954, B, (1), 511-523). [In Czech]. Results of research on the effect of titanium additions to 18/5 Cr-Ni steels are reported, with special reference to inhibiting intercrystalline corrosion, and to the mechanical and magnetic properties. The state of the titanium in the metal and its reactions with carbon are considered. 'Inter.' but not 'intercrystalline' corrosion is reduced by titanium additions; on the other hand, the additions make the steelmaking more complex.

2

HC

of 9

FJALA, A.

Discussion of A. Fjala and Z. Tolarova's article "Hydrogen as a Cause of the Porosity of Aluminum and Its Alloys." p. 116, SLEVARENSTVI (Ministerstvo strojirnstvi a Ministerstvo hutniho prumyslu a rudnych dolu) Praha, Vol. 3, No. 4, Apr. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1955

FLALA, A.

Difficulties in precisely determining low aluminum content in steel.  
p. 417. HUTNICKE LISTY. Brno. Vol. 10, no. 7, July 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.

FIALA, A.

"Sampling of liquid steel for study of inclusions."

HUTNICKE LISTY, Brno, Czechoslovakia, Vol. 14, No. 5, May 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

CZECH/34-59-5-4/19

AUTHORS: Kinský, F., Ing.Dr. and Fiala, A. Ing.

TITLE: Development of the Metallurgy of Acidic Smelting in the Manufacture of High Grade Steels in the Steelworks of the V. I. Lenin Works, Pilsen (Vývoj metalurgie kyselého tavení při výrobě náročných značek ocelí v ocelárně Závodu V. I. Lenina, Plzeň)

PERIODICAL: Hutnické Listy, 1959, Nr 5, pp 394-405 (Czechoslovakia)

ABSTRACT: Before the war smelting with Si-reduction was effected in Czechoslovakia under slags which were rich in MnO (above 30%) and the steel bath in the acid furnace was processed solely by using a reduction carbon boil. The task of manganese as a regulator of the oxygen content in the steel and its influence on reducing again silicon was over estimated. However, the high content of MnO in the slag and its insolubility in the steel was successfully utilised to suppress secondary oxidation of the reduced silicon and to exclude the slag from the reactions in the furnace during the period of intensive reduction of silicon with carbon. From 1953 onwards, in cooperation with the Soviet metallurgist Badyagin (Ref 3), the silicon reduction process has been considerably



CZECH/34-59-5-4/19

Development of the Metallurgy of Acidic Smelting in the  
Manufacture of High Grade Steels in the Steelworks of the  
V. I. Lenin Works, Pilsen

intensified and at present this process is characterized by the following features: duplex (100%) liquid charge; smelting under slags containing less than 25% MnO; working of the steel bath by an oxidation carbon boil followed by a reduction boil. In this very detailed paper the authors report the effect of the introduced changes as regards the manganese content and the character of the carbon boil on the speed of reverse reduction of silicon, on the oxygen content, on the oxide inclusion and on the contents of  $H_2$  and  $N_2$  in the steel. Data are given of some cases which show clearly the qualitative improvement in the steel produced by means of the intensified silicon reduction process which has been in use since 1953. From 1956 onwards the Works have changed over from increasing slowly the manganese content during the reduction boil by repeated small additions of FeMn to using a single addition of FeMn at the end of the smelting in order to

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CZECH/34-59-5-4/19

Development of the Metallurgy of Acidic Smelting in the  
Manufacture of High Grade Steels in the Steelworks of the  
V. I. Lenin Works, Pilsen

increase the fluidisation of the silicon oxides which saturate the bath during the reduction boil. A further change has been introduced in the method of alloying, namely, alloying additions are added into the acidically lined furnace at the very beginning of the smelting before pouring in the pre-melted liquid steel. The here described new method of producing alloy steels brings about an improvement of its internal quality and also permits the use of the cheapest grades of high carbon and blast furnace FeCr for the manufacture of chromium steels.

There are 8 figures, 16 tables and 25 references,  
15 of which are Czech, 5 Soviet, 4 German, 1 English.

ASSOCIATION: Závody V. I. Lenina, Plzeň (V. I. Lenin Works, Pilsen)

SUBMITTED: February 7, 1959

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Card 3/3

AUTHORS: Fiala, A., Ing. and Štádler, V. CZECH/34-59-5-17/19

TITLE: Analytical Determination of Combined Sulphur in Steel  
(Analytické určení vazby síry v oceli)

PERIODICAL: Hutnické Listy, 1959, Nr 5, pp 462-464 (Czechoslovakia)

ABSTRACT: A working method is described for determining the sulphur which is combined with iron and manganese in various types of steels, which yields acceptable results. The method is based on micro-analytical determination of the sulphur in the isolated substance obtained by electrolytic dissolution of steel specimens in a neutral electrolyte. In addition to enabling evaluation of the chemical composition, this method also permits determining the total quantity of sulphides in steel specimens taken during smelting and casting of the steel. Fig 2 shows a sketch of the instrument used. Some of the results obtained are entered in Tables 1 and 2, p 463. There are 2 figures, 2 tables and 2 references, 1 of which is Czech, 1 German.

ASSOCIATION: Závody V. I. Lenina, Plzeň (V. I. Lenin Works, Pilsen)

Card 1/1

FIALA, Alois

Pressure castings with sealed parts. Slevarenstvi 10  
no.3:113-114 Mr '62.

1. Automobilove zavody, narodni podnik, Mlada Boleslav.

Z/034/62/000/008/003/004  
E073/E335

AUTHOR: Fiala, A., Engineer

TITLE: New method of taking samples from liquid vacuum-treated steel to determine the content of atomic hydrogen and of oxide inclusions by means of a submerged probe

PERIODICAL: Hutnicke listy, no. 8, 1962, 581 - 582

TEXT: A simple sampling device was developed for sampling vacuum-treated steel, consisting of a U-shaped quartz tube, which can be non-transparent, of 10 mm inner diameter, stuck by means of a mixture of magnesite powder and waterglass to an iron tube of a satisfactory length (up to 3 m), the other end of which carries a gas-tight cock for opening or closing the sampling device. The process of sampling the liquid vacuum-treated steel was verified by model tests since, after terminating the vacuum treatment, the vacuum-treated steel becomes mixed with nonvacuum-treated steel. During the tests the region of vacuum-treated steel was clearly delimited from the nonvacuum-treated one (in the ingot head) by colouring red the test solution, and leaving uncoloured the bottom layer, which was

Card 1/3

New method of ....

Z/034/62/000/008/003/004  
E073/E335

considered as being vacuum-treated. During the passage of the sampling device through the red zone, in which the vacuum- and nonvacuum-treated steels were mixed, the cock of the sampling tube was closed so that the air pressure in the tube prevented entry of the liquid into the tube. After reaching the non-coloured zone the cock was quickly opened, to admit the liquid sample and then again quickly closed. Thus, it was ensured that only vacuum-treated steel was sampled. The results of the model test were utilized in practice and it was found that the quartz tube filled up satisfactorily with vacuum-treated steel only when the sampling device reached the body of the ingot. The required depth of submersion can be marked by a stop on the steel tube. By this method samples can be taken from vacuum-cast ingots from a depth of 1.5, 1.2, 0.9, 0.7 and 0.5 m from the surface of the steel. Table 2 shows a comparison of the quantity of hydrogen determined from specimens cast into chill moulds and from specimens taken with this sampling device. On the basis of the results the following procedure was developed: the hydrogen content of the non-vacuum-treated steel is determined from

Card 2/4 3

New method of ....

Z/034/62/000/008/003/004  
E073/E335

a specimen cast into a tool mould after teeming about half the content of the steel from the ladle, whilst the hydrogen content of the vacuum-treated steel is determined from a specimen taken from the body of the ingot with the described quartz-tube sampling device after terminating the vacuum treatment. A similar process of sampling the vacuum-treated steel was described by J.H. Stoll (Blast Furnace and Steel Plant, no. 6, 1958, 341-343). There are 4 figures and 3 tables.

ASSOCIATION: Výzkumný a zkušební ústav ZVIL, Plzeň  
(Research and Test Institute of ZVIL, Pilsen)

.Card 3/4 7

FIALA, A., inz.

Experience with vacuum treatment of steel outside the smelting furnace. Hut liaty 17 no.5:305-311 My '62.

1. Vyzkumny a zkusebni ustav, Zavody V.I. Lenina, Plzen.



FIALA, A., inž.

A new method of sampling the molten vacuum steel for determining the content of atomic hydrogen and oxide inclusions by means of a dipping probe. Hut listy 17 no.8:581-582 Ag '62.

1. Vyzkumny a zkusebni ustav, Zavody V.I.Lenina, Plzen.

HAJDUK, Milan, inz.; FIALA, Antonin

Breaking pieces for rolling mills. Hut listy 16 no.8:539-545  
Ag '61.

1. Vitkovicke zelezarny Klementa Gottwalda, Vyzkumny ustav  
merici a ridici techniky, Ostrava.

CZECHOSLOVAKIA

PIALA, E.

Stomatological Clinic of the Medical Faculty IU  
(Stomatologická klinika lékařské fakulty IU),  
Olomouc

Prague, Československá stomatologie, No 4, 1963, pp 230-  
235

"Reliability of Stomatological Records with Regards to  
Identification."

KALAB, Radomil, inz.; PARIZEK, Otto; BILIKOVA, Marie; FIALA, Bohuslav

Corrugated prefabricates from reinforced concrete. Poz stavby  
11 no.4:191-195 '63.

1. Zemel'sky stavebne technicky rozvoj, Brno.

**"APPROVED FOR RELEASE: 06/13/2000**

**CIA-RDP86-00513R000413010006-6**

**APPROVED FOR RELEASE: 06/13/2000**

**CIA-RDP86-00513R000413010006-6"**

EXCERPTA MEDICA Sec.12 Vo.11/6 Ophthalmology June 57

1035. FIALA Em. Oční Odd. Pediat. Větev Lek. Fak., Brno. \*Blesková katarakta.

Lightning cataract CSL. OFTHAL. 1956, 12/6 (449-450)

Report on a case, in which cataract appeared 6 days after a discharge of lightning 2 m. from the patient, who was knocked to the floor, lost consciousness for a short time, but otherwise was not injured. Vacuolation and opacities appeared first in the superficial layers of the anterior cortex and 6 weeks later in the posterior cortex. The cataract has a very slow progress. It is suggested that cataract is a direct sequela of injury to the lens by electric discharge.

Zahn - Prague

BIRO, L.; SZEKELY, A.; FIALA, E.

Simple method for bacterial sensitivity investigation with  
durable prefabricated antibiotic filter paper. Orv. hetil.,  
Budap. 92-46:1497-1499 18 Nov. 1951. (CML 21:3)

1. Doctors. 2. Internal Department (Head Physician — Prof.  
—Dr. Laszlo Biro), Kutvolgyi-uti State Hospital.

POLICZER, M.; FENYVESI, J.; SZEKELY, A.; SOLYMAR, J.; FIALA, E.; FOLDES, J.

Sleep therapy in hypertension. Orv. hetil. 93 no. 47:1340-1344 23  
Nov 1952. (CINL 24:1)

1. Doctors.



SOLYMAR, J.; FIALA, E.

Sleep therapy. Orv. hetil. 93 no. 47:1336-1339 23 Nov 1952.

(CJML 24:1)

1. Doctors.

FIALA, Krvn, dr.,; MIKE, Terezia, dr.

The role of adrenal hormones in the regulation of blood pressure; review of the literature. Orv. hetil. 97 no.21:561-569  
20 May 56.

1. A Kutvolgyi uti Allami korhaz (igaz. Hancsok Mariusz dr.)  
Belosztalyanak (foorvos; Policzer Miklos dr az orvost. kand. )  
kozl.

(ADRENAL GLANDS, hormones

role in blood pressure regulation, review (Hun))

(BLOOD PRESSURE, physiol.

regulation, role of adrenal hormones, review (Hun))

FIALA, Ervin, dr.; BALASSA, Maria, dr.

First experiences with the new oral antidiabetic invenol.  
Orv. hetil. 98 no.21:554-555 26 May 57.

1. A Kutvolgyi uti Allami Korhas (igangato-foorvos: Hancsok, Mariuss, dr.) Belosztalyanak (foorvos: Policser, Miklos, dr., az orvostudományok kandidátusa) közleménye.

(DIABETES MELLITUS, ther.

carbutamide (Hun))

(UREA, related cpds.

carbutamide ther. of diabetes mellitus (Hun))

(SULFANILAMIDE, related cpds.

same)

MIKE, Terezia, Dr.; FIAIA, Ervin, Dr.

Common development of hypertension and adrenal insufficiency in connection with tuberculosis. Orv. hetil. 98 no.48:1333-1336  
1 Dec 57.

1. A Kutvolgyi uti Allami Korhaz (igazgato-főorvos: Fenyvesi József dr.) belosztályának (főorvos: Policzer Miklós dr. az orvostudományok kandidátusa) közleménye.

(TUBERCULOSIS, RENAL, compl.

hypertension & adrenal insuff. in renal & adrenal tuberc.,  
case report (Hun))

(TUBERCULOSIS, ENDOCRINE, compl.

adrenal insuff. & hypertension in adrenal & renal tuberc.,  
case report (Hun))

(HYPERTENSION, etiol. & pathogen.

renal & adrenal tuberc. with adrenal insuff., case report  
(Hun))

(ADRENAL GLANDS, dis.

insuff. in adrenal & renal tuberc. & hypertension, case  
report (Hun))

MIKE, Terezia, dr.; POLICZER, Miklos, dr.; FIALA, Ervin, dr.; BALASSA, Maria, dr.

Thyroid function tests in hypertension and peptic ulcer. Orv.  
hetil. 101 no.14:482-484 3 Ap '60.

1. Kozponti Allami Korhas 1. Belosztaly.  
(THYROID GLAND physiol.)  
(HYPERTENSION physiol. )  
(PEPTIC ULCER physiol.)

FIALA, Ervin, dr.; POLICZER, Miklos, dr.; MIKE, Terezia, dr.; BALASSA,  
MAFIA, dr.

Comparative biological evaluation of function tests of the  
thyroid gland. *Magy.belorv.arch.* 13 no.3:78-84 J1 '60.

1. A Kosponti Allami Koshaz (Kutvolgyi ut 4.) (Igazgato-foorvos:  
Fenyvesi Jozsef dr.) I. sz.belosztalyanak (Foorvos: Policzer  
Miklos dr. az orvostudomanyok kandidatusa) kozlemenye  
(THYROID GLAND physiol)

DLUHOSOVA, Olga; FIAIA, Emil

Clinical aspects of cataract in children. Cesk. ofth. 16 no.6:  
329-332 S '60.

1. Očni oddeleni Krajske detske nemocnice v Brne, prednosta doc.  
dr. Ota Gottwald.  
(CATARACT in inf. & child)

BALASSA, Maria, dr.; POLICZER, Miklos, dr.; FIALA, Ervin, dr.; MIKE,  
Terezia, dr.; TARI, László; VASVARI, Gabor

Radioiodine thyroid function test with the aid of the organic  
phosphorus scintillator and GM tube. Magb radiol. 12 no.4:240-  
244 N '60.

1. A Kozponti Allami Kórház és a MTA Kozp. Kémiai Kutató Intézetének  
közös közleménye.

(THYROID GLAND physiol)  
(IODINE radioactive)  
(RADIOMETRY)



KOZOUSEK, V.; FIALA, E.

Artificial aniseikonia as a new possible preventive and therapeutic factor in amblyopia ex anopsia. *Activ. nerv. sup.* 4 no.2:159-160 '62.

1. Oční klinika lékařské fakulty University J. E. Purkyně v Brně,  
Krajská dětská nemocnice v Brně.

(AMBLYOPIA ther) (REFRACTIVE ERRORS)

KOZOUSEK, Vladimir; FIALA, Emil

Artificial aniseikonia, artificial anisometropia and new possibilities  
for prevention and therapy of amblyopia ex anopsia in childhood.  
Cesk. oftal. 18 no.4:288-292 JI '62.

1. Oční klinika University J. E. Purkyně v Brně, přednosta prof. dr  
J. Vanysek, DrSc.

(AMBLYOPIA)

KOZOUSEK, V.; FIALA, E.

Artificial aniseikonia, arteficial anisometropia and new possibilities of prevention and therapy of amblyopia ex anopsia in childhood.  
Scr. med. fac. med. Brunen. 35 no.3:77-80 '62.

1. Oeni klinika lekarske fakulty university J.E. Purkyne Prednosta:  
prof. dr. Sc. Jan Vanysek.

(AMBLYOPIA prev & control) (VISUAL PERCEPTION in inf & child)  
(REFRACTIVE ERRORS in inf & child)

FIALA, F.

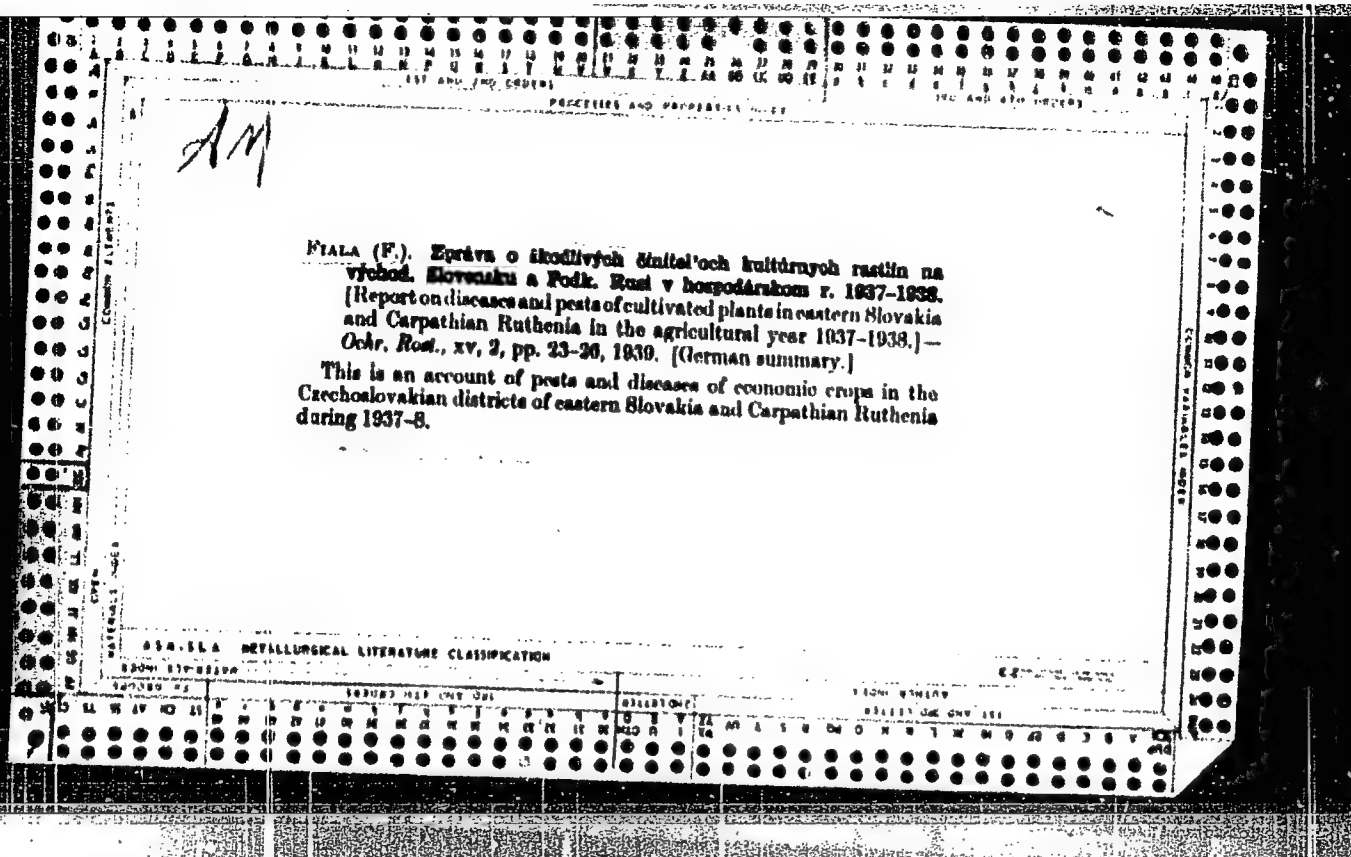
Economic production of stave patterns and core boxes, p. 72,  
SLEVARENSTVI (Ministerstvo strojirenstvi a Ministerstvo  
hutniho prumyslu a rudnych dolu) Praha, Vol. 3, No. 3, Mar. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1956

ZBANEX, Karel; FIALA, Frantisek

Seminar on PVC treatment by high-frequency heating and on  
PVC casting in the bagmaking industry. Kozarstvi 13 no.4:  
123-125 Ap '63.

1. Zavody A. Zapotocksho, n.p., Jaromer.



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PROCESSES AND PROPERTIES INDEX

1ST AND 2ND CODES

3RD AND 4TH CODES

CONTACT AND INTRUSIVE ROCKS OF THE HIGH-ROAD PROFILE  
NEAR ZBOJENY KOSTELEČ. FRANTJEK, EMLER, VLASTA KŘ-  
LOV. *Ceskt Spol. Nauk* 1945, No. 4, 72 pp.; *Mineralog.*  
*Abstracts* 9, 240(1945). -- Petrographic study of meta-  
morphie rocks and migmatites at the contact of the cen-  
tral Bohemian granodiorite massif with ancient sediments.  
Many diverse types are described, including unusual cor-  
undum-bearing hornfels, in which porphyroblasts of cor-  
undum are largely altered to muscovite, and an amphi-  
olite that contains ferroanthophyllite and cummingtonite.  
Michael Fleischer

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND CODES

3RD AND 4TH CODES

5TH AND 6TH CODES

7TH AND 8TH CODES

9TH AND 10TH CODES

11TH AND 12TH CODES

13TH AND 14TH CODES

15TH AND 16TH CODES

17TH AND 18TH CODES

19TH AND 20TH CODES

21ST AND 22ND CODES

23RD AND 24TH CODES

25TH AND 26TH CODES

27TH AND 28TH CODES

29TH AND 30TH CODES

31ST AND 32ND CODES

33RD AND 34TH CODES

35TH AND 36TH CODES

37TH AND 38TH CODES

39TH AND 40TH CODES

41ST AND 42ND CODES

43RD AND 44TH CODES

45TH AND 46TH CODES

47TH AND 48TH CODES

49TH AND 50TH CODES

51ST AND 52ND CODES

53RD AND 54TH CODES

55TH AND 56TH CODES

57TH AND 58TH CODES

59TH AND 60TH CODES

61ST AND 62ND CODES

63RD AND 64TH CODES

65TH AND 66TH CODES

67TH AND 68TH CODES

69TH AND 70TH CODES

71ST AND 72ND CODES

73RD AND 74TH CODES

75TH AND 76TH CODES

77TH AND 78TH CODES

79TH AND 80TH CODES

81ST AND 82ND CODES

83RD AND 84TH CODES

85TH AND 86TH CODES

87TH AND 88TH CODES

89TH AND 90TH CODES

91ST AND 92ND CODES

93RD AND 94TH CODES

95TH AND 96TH CODES

97TH AND 98TH CODES

99TH AND 100TH CODES

CA

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*Celestite from Kallach, Frantisek Pala, Carapoi  
Vard. Muzs (Praha) 115, 45-52/1911 (French sum-  
mary). Celestite occurs in nodules in diabase, sur-  
rounded by successive zones of calcite, quartz, and calcite.  
Michael Fleischer*



811  
811

*Ref. 811*

Purification of wool and simultaneously obtaining (therefrom)  
fatty acid and other substances. F. Elia (U.S.P. 673,000, 21.9.48,  
Czechoslovak., 31.7.48).—The wool is treated with nitrated kerosene  
in an apparatus which is figured and claimed. F. R. Hasford.

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Kytrite and annabergite at Krupka, Czechoslovakia  
Frantisek Fiala (Museum, Prague, Czech.) Casopis  
Vednicko-Průmysl (Prague) 117, 13-14 1948 (French sum-  
mary). These arsenates of Co and Ni were found in Bo-  
hemes, associated with quartz and cassiterite. M. Fleischer

CA

8

Axinite in spilites of Kalnsava near Zefkovec. Frantisek  
Flata. (Museum, Prague, Czech.). *Časopis Národního*

*Muzea* (Praha) 117, 16-18(1968)(French summary).—A  
vein of quartz and axinite cuts spilitic rocks. This assocn.  
was previously unknown in Czechoslovakia except for Sil-  
urian diabases. Michael Fleischer

A

The trachenite from Budaňany and some other alkalic  
diabasic rocks of the Silurian of central Bohemia. Frantík,  
-Flita (Natl. Museum, Prague, Czech.) and Rudolf Rost  
-Národ. Mus. v Praze 5B, No. 8, 1 43(1949)  
(in French 14-43); cf. C.A. 42, 5385c.—Petrographic  
study, with 5 chem. analyses of rocks. The trachenite  
contains analcime, believed to be of magmatic origin.  
Michael Fleischer

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- Diabase and wellburgite rocks of the lower Ordovician at Chynava. Frantisek Chvala. (Natl. Museum, Prague, Czech.). *Shvetskaya Akademiya Nauk SSSR, Seriya 7B, No. 4, 1971* (1971 in English). - A petrographic study, with 2 chem. analyses, of diabases, diabase tufts, and albite porphyrites. The material was probably intruded at low temps. and with a high content of volatiles.  
Michael Fletcher

FIALA, FRANTISEK

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Gerald M. Friedman

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1. TESLA Hloubetin národní podnik  
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L 44627-66 EWP(j) JW/RM

ACC NR: AP6033248

SOURCE CODE: CZ/0043/66/000/002/0097/0104

AUTHOR: Stehlik, Blahoslav--Steglik, B. (Professor; Doctor; Brno); Fiala, Frantisek  
(Graduate chemist; Brno)

ORG: Department of Theoretical and Physical Chemistry, J. E. Purkyně University,  
Brno (Katedra teoretické a fyzikální chemie University J. E. Purkyně)

TITLE: Kinetics of ethanol and methanol oxidation by peroxydisulfate catalyzed by silver ions

SOURCE: Chemické zvesti, no. 2, 1966, 97-104

TOPIC TAGS: oxidation, ethanol, methanol

ABSTRACT:

At 25°C the rate of methanol oxidation corresponds to the equation:

$$-d[S_2O_8^{2-}] / dt = (78 \pm 1) [S_2O_8^{2-}] [Ag^+] M \cdot min^{-1}$$

and the oxidation of ethanol to:

$$-d[S_2O_8^{2-}] / dt = (2.9 \pm 0.1) [S_2O_8^{2-}] ([Ag^+] / [CH_3OH])^{1/2} M \cdot min$$

with an activation energy of  $8 \pm 1$  or  $7.5 \pm 1$  kcal mol<sup>-1</sup> respectively.

A chain mechanism for both the rate laws is discussed. Orig. art. has: 3 figures, 14 formulas and 2 tables. [Based on authors' Eng. abst.] [JPRS: 36,002]

SUB CODE: 07 / SUBM DATE: 24 May 65 / OTH REF: 004

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(MOTION PICTURE,

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(CELL DIVISION,

bact., phase contrast microkinematography)

(BACTERIA,

cell division, phase contrast microkinematography)

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J. Horejsi, DrSc.

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(CITRATES)

(SUCROSE)

(ERYTHROCYTES)

(GLUCOSE)

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November 1959.

Uncl.

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Increased Productivity in Steel Foundries Resulting  
the Use of Rapidly Drying Moulds  
Established

FIALA, JAN

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: /not given/

Source: Prague, Sbornik Ceskoslovenske Spolecnosti Zemeprisne, Vol 66, No 4, 61, p 374.

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GPO 981643



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\*refrigerated plasma)

(BLOOD BANKS

\*refrigerated plasma, use)

*12/1, Jaroslav*

*OK* Dehydrating aqueous acetic acid. Jaroslav Fiala and  
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ing 10 parts  $\text{Me}_2\text{CHAc}$  with 0.5 parts of 50%  $\text{AcOH}$  in the  
presence of  $\text{H}_2\text{SO}_4$ , there is obtained anhyd.  $\text{AcOH}$  in quant.  
yields which is depd. by distn. Vapors of  $\text{AcOH}$  are recovered.  
L. F. Zichynec

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preserved washed erythrocytes)

(ERYTHROCYTES,

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